

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF HAZARD IDENTIFICATION BEACONS (H.I.B.'S) ON THE NORTH AND SOUTH APPROACHES OF EAST STREET IN THE CITY OF FREDERICK. EAST STREET IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

OPERATION

- NORMAL OPERATION
THESE SIGNALS WILL OPERATE IN A ALTERNATE FLASHING YELLOW MODE.
- SPECIAL OPERATION
NONE.

MAINTENANCE OF TRAFFIC

THE FOLLOWING WORK ZONE TRAFFIC CONTROL STANDARDS SHALL BE USED FOR THE PROJECT.

STANDARD NO. MD-105.00
STANDARD NO. MD-105.01
STANDARD NO. MD-105.02
STANDARD NO. MD-105.101 (FLAGGING OPERATION)
STANDARD NO. MD-105.103 (INT. FLAGGING OPERATION)

STANDARD NO. MD-105.105 (SHOULDER WORK)
STANDARD NO. MD-105.107 (LANE SHIFT)
STANDARD NO. MD-105.109 (LANE SHIFT)

NOTE: STANDARDS TO BE MODIFIED, BY REPLACING W21-5 SIGN WITH A W29-1 SIGN (ROAD WORK AHEAD)

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

MR. ROBERT L. FISHER
DISTRICT ENGINEER
PHONE: 410-624-8101

MR. JOHN CONCANNON
(ACTING) ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: 410-624-8101

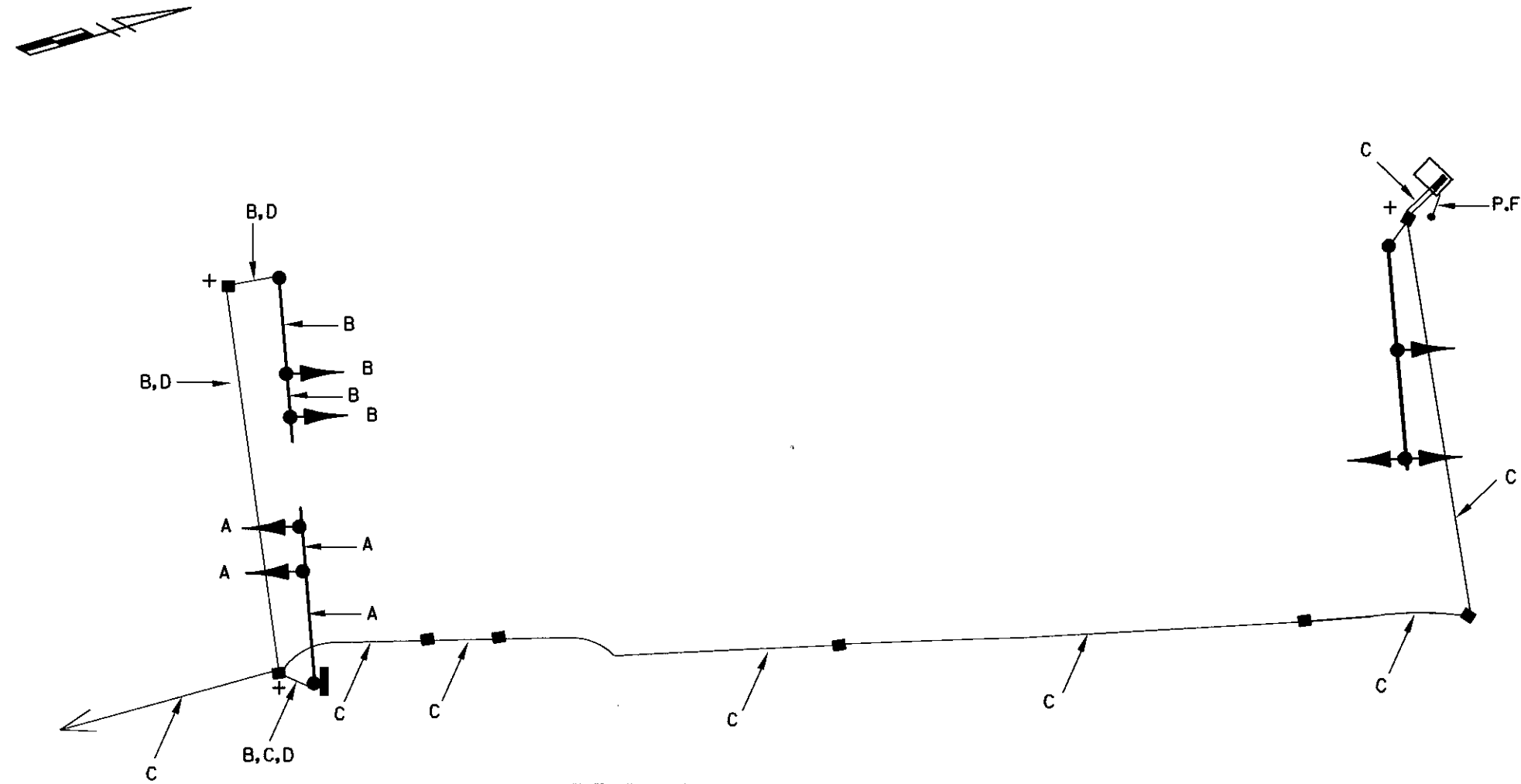
MR. ROBERT SNYDER
ASSISTANT CHIEF - TRAFFIC OPERATIONS
PHONE: 410-787-7631

MR. JOHN WRIGHT
UTILITY ENGINEER
PHONE: 410-624-8101

MR. WILLIAM H. SHEETZ
CHIEF, TRAFFIC OPERATIONS DIVISION
CITY OF FREDERICK
PHONE: 301-694-1167

THE POWER COMPANY REPRESENTATIVE IS:
ALLEGHENY POWER
421 EAST PATRICK STREET
FREDERICK, MD 21705
PHONE: 301-694-4478

WIRING DIAGRAM



WIRING KEY

A,B } 5-CONDUCTOR ELECTRICAL CABLE
(NO. 14 A.W.G.)

C } 12 PAIR JELLY-FILLED
COMMUNICATION CABLE
UNDERGROUND (NO. 19 A.W.G.)

D } STRANDED BARE COPPER GROUND
WIRE (NO. 6 A.W.G.)

PF - POWER FEED (NO. 4 A.W.G.)
+ - 3/4 IN. X 10 FT. GROUND ROD

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR:

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
205	203030	1 C.Y.	TEST PIT EXCAVATION
801	801004	10 C.Y.	FURNISH & INSTALL CONCRETE FOR SIGNAL FOUNDATION
804	837001	2 EACH	FURNISH & INSTALL GROUND ROD - 3/4 IN. DIAMETER X 10 FT. LENGTH
805	805118	75 L.F.	FURNISH & INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
810	832020	100 L.F.	FURNISH & INSTALL BARE COPPER GROUND WIRE (NO. 6 AWG)
810	861107	200 L.F.	FURNISH & INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
811	811001	2 EACH	FURNISH & INSTALL ELECTRICAL HANDHOLE
811	800000	2 EACH	FURNISH & INSTALL ELECTRICAL HANDHOLE IN BRIDGE PARAPET
814	860132	4 EACH	FURNISH & INSTALL 12 IN. 1 WAY 1 SECTION (Y) SIGNAL HEAD - MAST ARM MOUNT - PAINTED BRONZE (PAINT #347599)
816	871040	1 EACH	INSTALL TYPE 'G' CABINET WITH TWO CIRCUIT FLASHER UNIT AND PHONE BLOCK - POLE MOUNT (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)
810	800000	230 L.F.	FURNISH & INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
818	800000	2 EACH	FURNISH & INSTALL STEEL POLE WITH A SINGLE 30 FOOT MAST ARM
813	801605	13 S.F.	FURNISH & INSTALL SHEET ALUMINUM SIGNS - (MAST ARM MOUNT): - 2 EACH W11-2A SIGN (30 IN. X 30 IN.) "PEDESTRIAN CROSSING (SYMBOL)" MAST ARM MOUNT

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA:

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
816	971040	1 EACH	TWO CIRCUIT FLASHER AND CABINET WITH PHONE BLOCK - POLE MOUNT

SG-6



REVISIONS:	APPROVALS:	MDOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE #	
	CHIEF SIGNAL DESIGN SECTION		
	ASST. DISTRICT ENGINEER TRAFFIC		
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION		
	DIRECTOR OFFICE OF TRAFFIC & SAFETY		
DRAWN BY: DKA DES. BY: DKA CHK. BY: BJH		EAST STREET @ CARROLL BRIDGE GENERAL INFORMATION COUNTY: FREDERICK	
DATE: NOVEMBER, 1998 SCALE: N.T.S.		F.A.P. NO. S.H.A. NO. FR 3185171	SEE TITLE SHEET TS/STD. NO.: SHEET NO. 49 OF 68